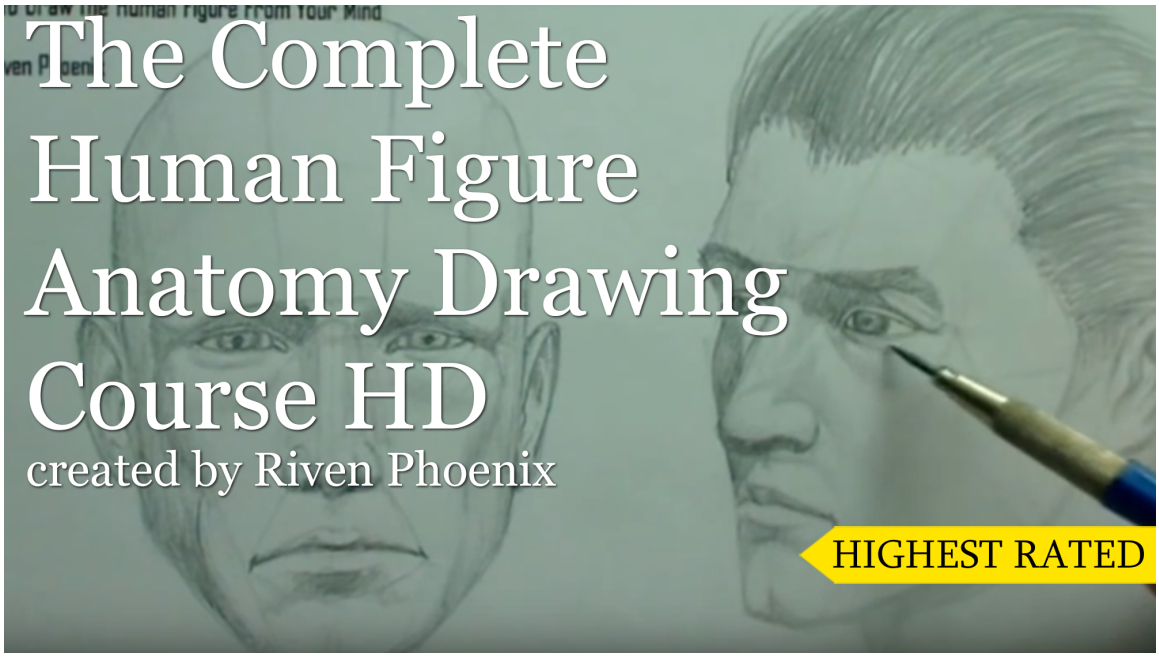

The Structure of Man

Learn to Draw the Human Figure From Your Mind with Riven Phoenix

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Figure Drawing Lesson 032 - The Invention of The Spine - Part 2

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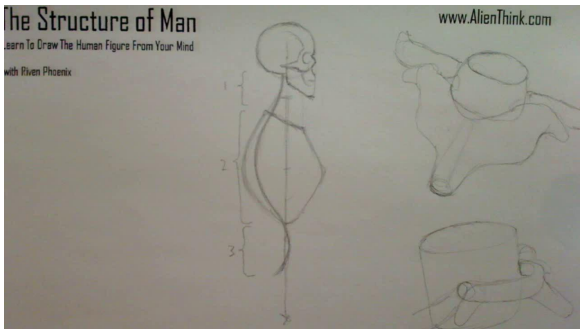
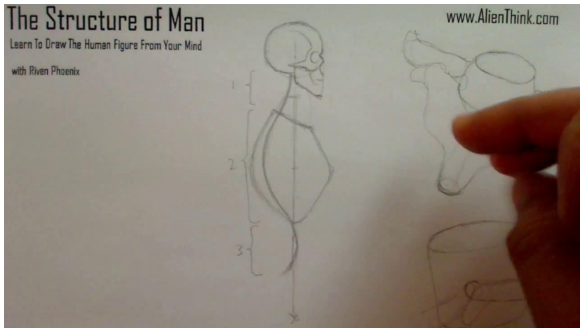
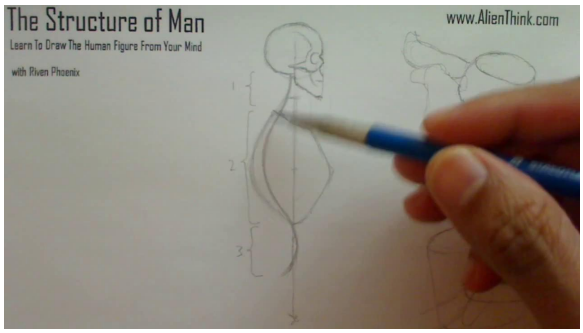
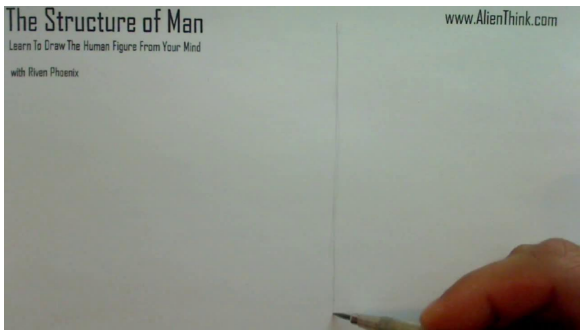
1		Hey guys, my name is Riven Phoenix and welcome to the structure of man learn to draw the human figure from your mind training course.
2		Okay, so now in the previous lesson we did a short lesson just to get the mind to understand how we are going to create the rules of the spine is really just more of a flow system.
3		Right, so here to start out what we want to do is we're going to have to create a drawing first of the structure that we have so far.
4		So here I'm just going to kind of do this one big here so you can see all the details here.

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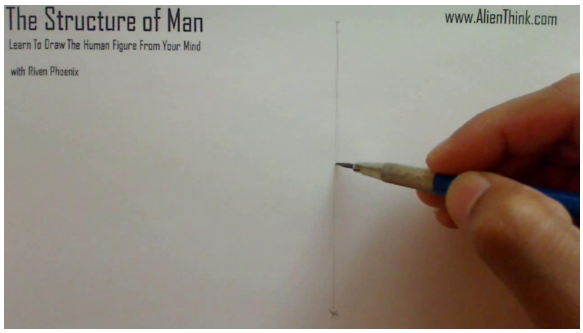
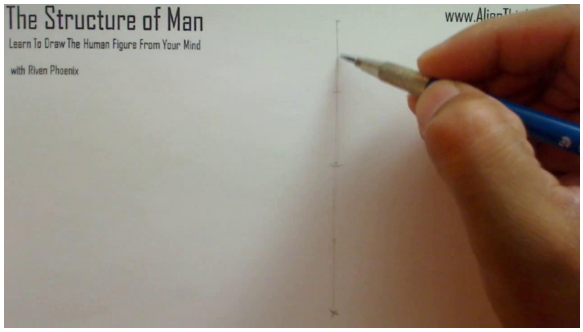
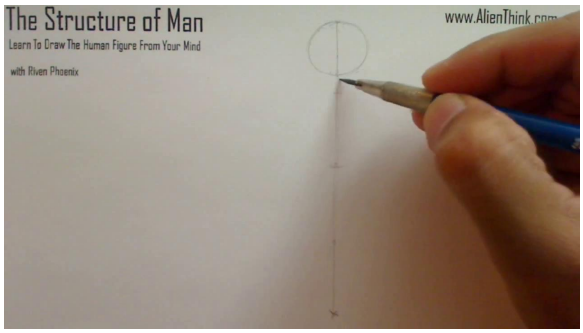
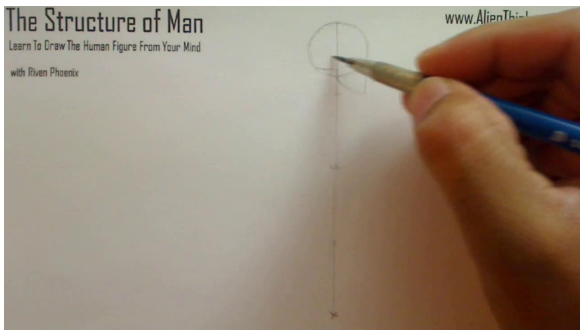
5		So here we're going to have to just create this from scratch from here and then over here and this is where your nail is going to be.
6		Right, so from here to here I just know that over here I'm going to get the structure for the the skull over here.
7		We're going to get this guy to come here. I know that it's just going to cut up above it right over there.
8		And this is the center of it here I'm going to get the area for the brow area over here and over here.

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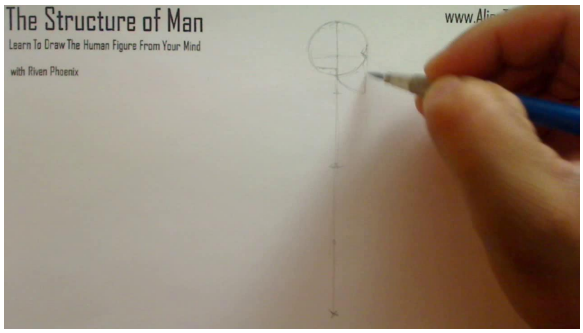
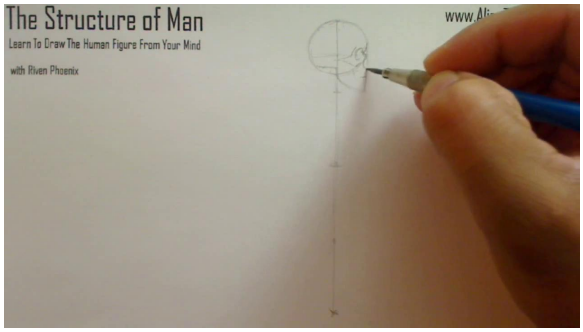
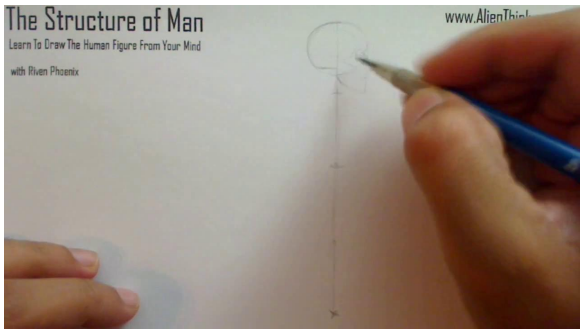
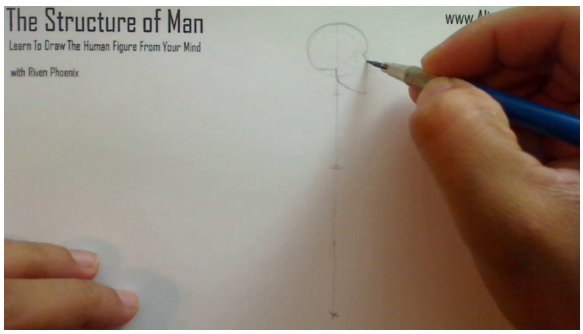
9		I know that's just going to be the nose. Right, so here I'm just sketching out the basic concept of it.
10		And this is going to be the nose over here. Right, so once we have this we can now just erase some of these lines here and just work on this idea a little more over here.
11		Right, so do these drawings as detailed as you want.
12		And that will just increase your ability to draw and understand precision drawing.

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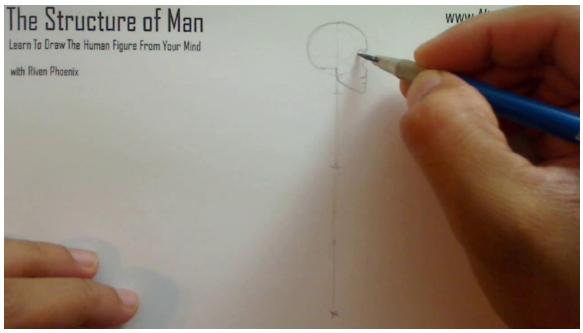
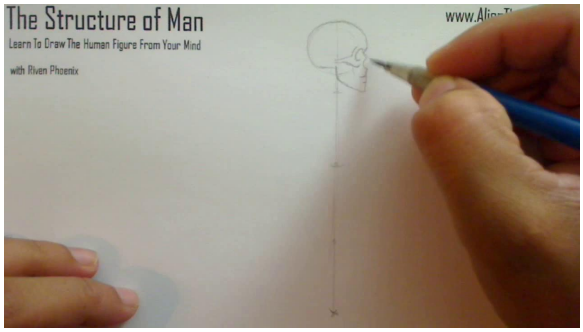
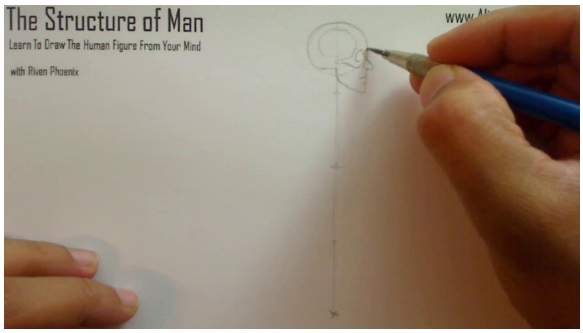
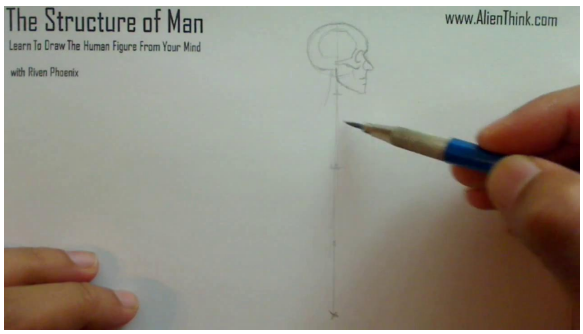
13		Okay, so here.
14		Right, and if you're fuzzy on some areas here you can just review the previous lessons. Right, I'm assuming here that you've done all these exercises that I've shown you.
15		Right, so here we've got the basic skull down. Okay, so now we're going to create the spine over here. We know which I'm just going to put the line right now over here.
16		And here we know where the clavicle is right over here, which is going to come over here like this.

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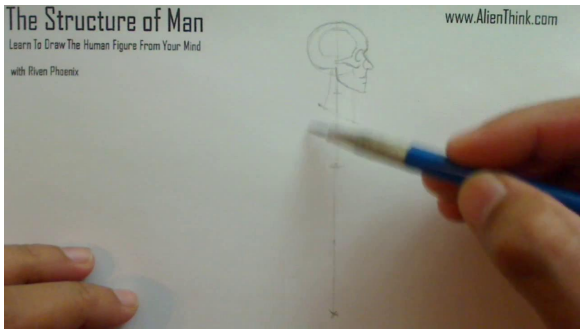
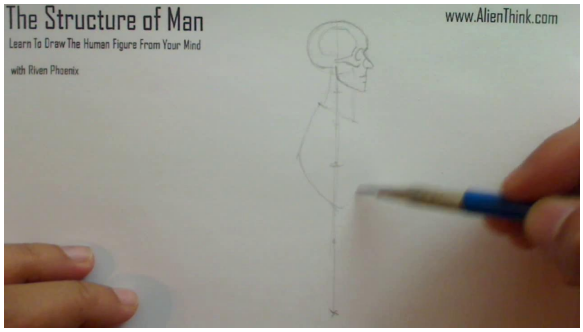
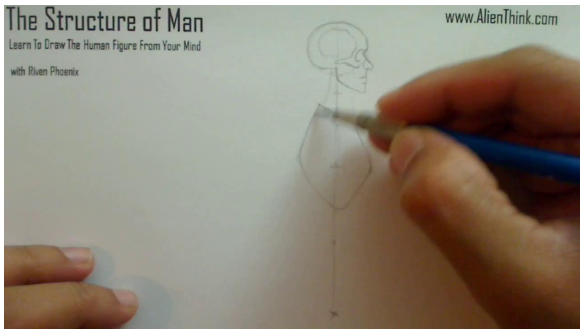
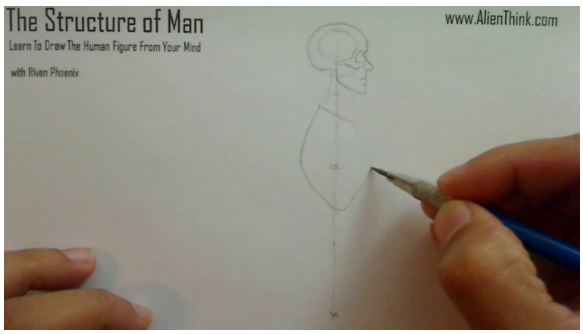
17		And then just go back. Right, so here again, just use your understanding of the ratios. This is the navel over here. So it's going to come down this way over here.
18		It's going to go just about here. Right, so.
19		Okay, so here I'm just going to once I've got the basic idea down, just come back in here and do a much more cleaner design of this.
20		Okay, so now to understand the spine, what's going to happen is that in our rules, since we know that the basic concept is just to draw the line.

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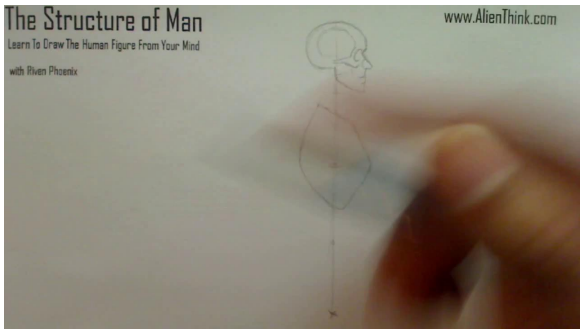
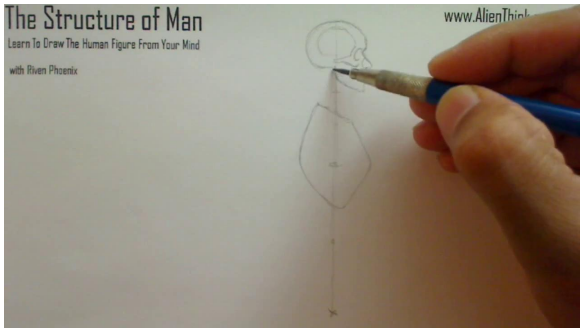
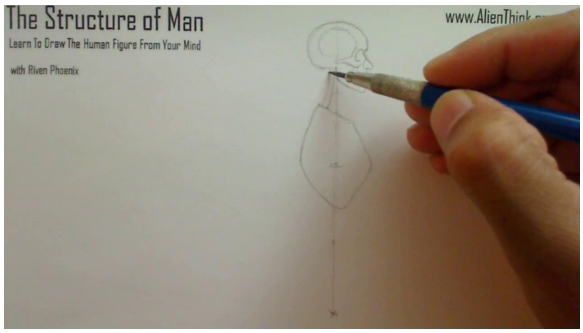
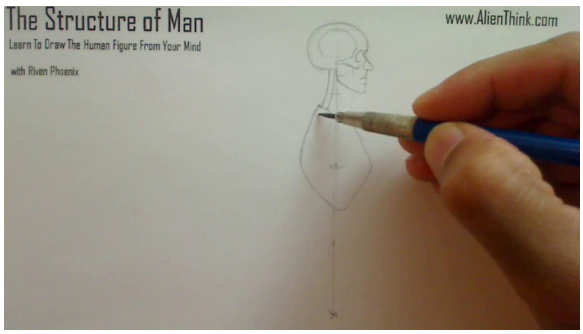
21		So now to understand the bone structure, what we're going to do is we're going to start out a line from here.
22		And we know that it's going to be on an angle going in this direction over here. And then you're going to get another line and it's going to hit over here.
23		Right, so it's on this curve. That's what's going to push it out. Okay, so when we pull this line, just note that this is a notch over here.
24		This line is going to go inside over here into the chance cavity.

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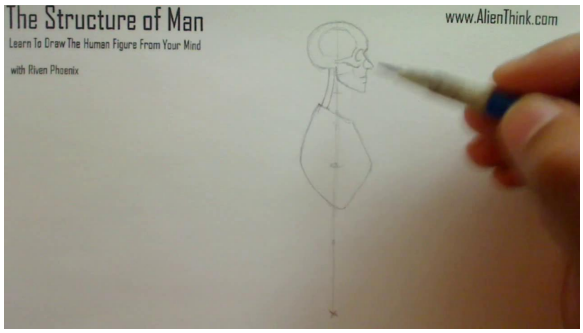
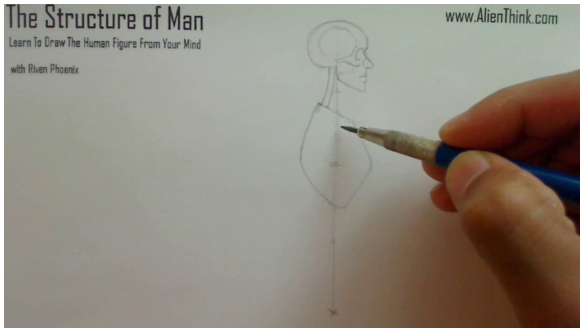
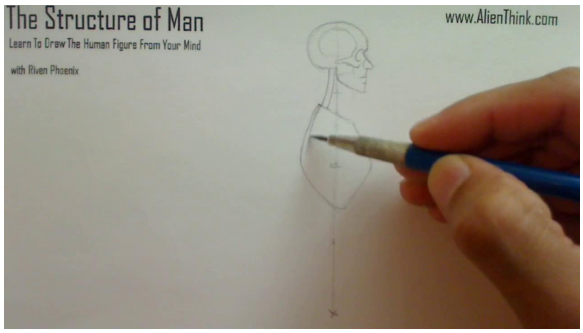
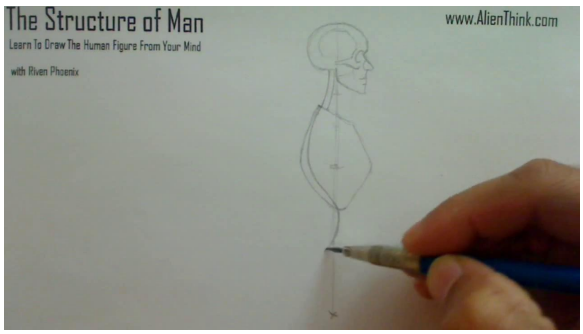
25		And the reason for this is because the chance cavity is actually there's a wedge right in the middle and these things curve, they curves like this.
26		Right, so this is it's buried inside it. So basically when we let's pull this line first, this line is just going to go like this over here.
27		Follow the chest cavity like this and where this is, it's just basically going to come like this over here and it's just going to start to turn and go in this direction.
28		Right, so this guy here, when it comes, it's going to do the same thing, but it's going to come over here.

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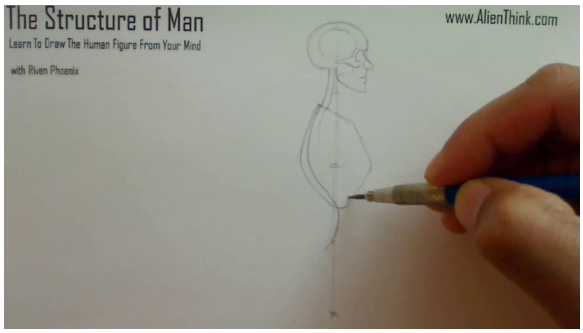
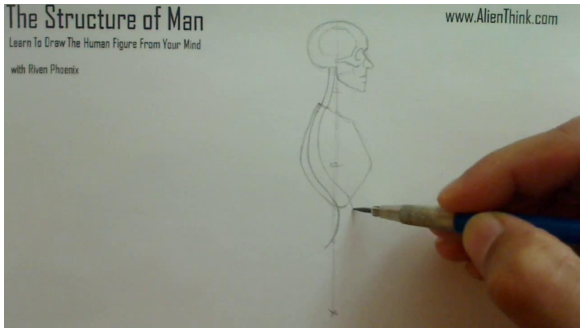
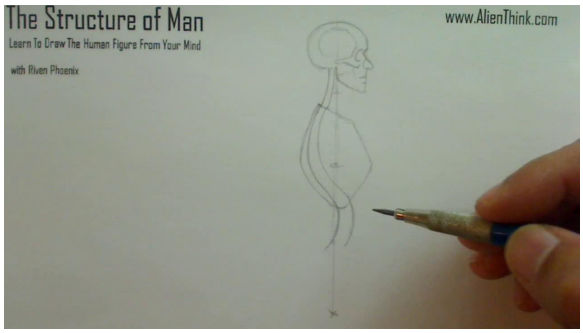
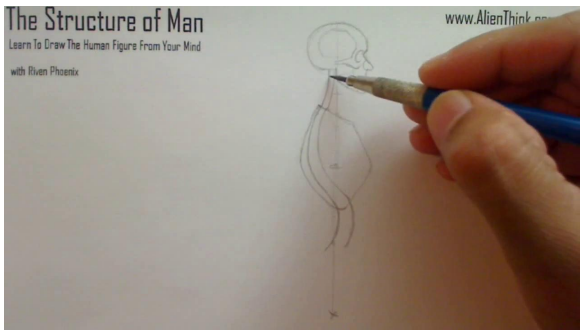
29		Over here, meaning that it's going to get thicker when it gets below over here, right, it just gets thicker and thicker down over here.
30		And this is why we're able to live lift heavy objects because of this area here of the spine.
31		Right, so that's our rule that when we design this spine, this is a rule we created that this has to be fixed to support the weight that this figure can pick up.
32		And this is going to be the most sensitive area of the neck.

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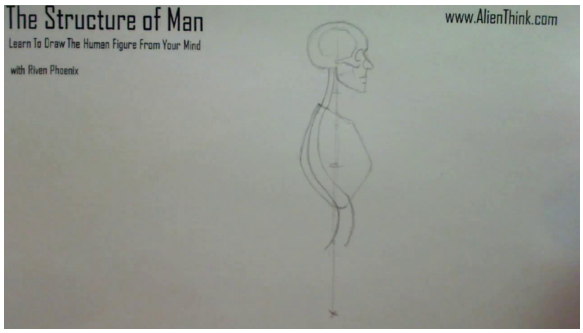
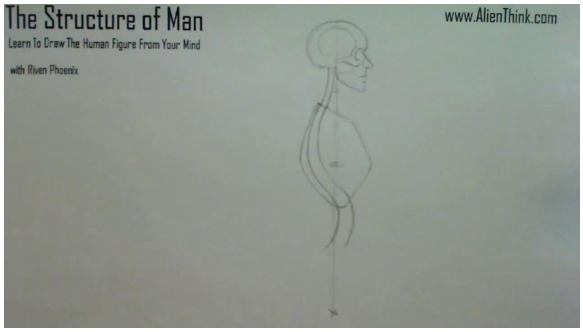
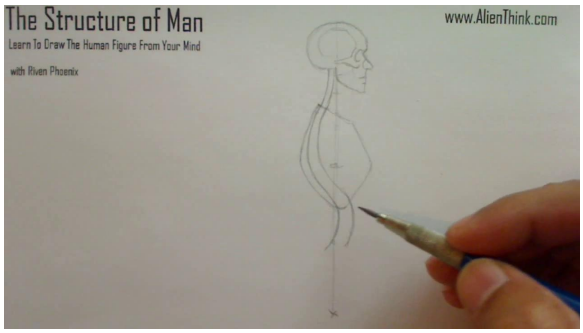
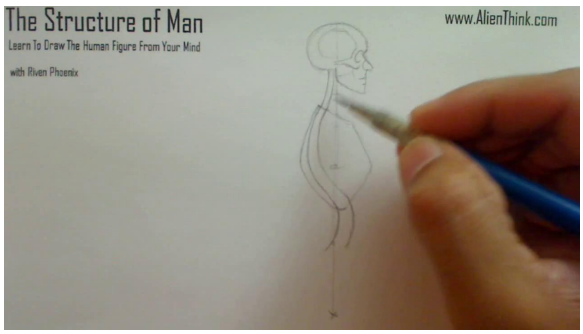
33		Okay, so that's the basic concept of just the bone structure that it needs to go in this direction over here.
34		But notice how deep the spine comes in when we draw it out.
35		Okay, so what we want to do now is look at the first section here.
36		So this section here needs to be divided into seven parts and that's going to be very easy.

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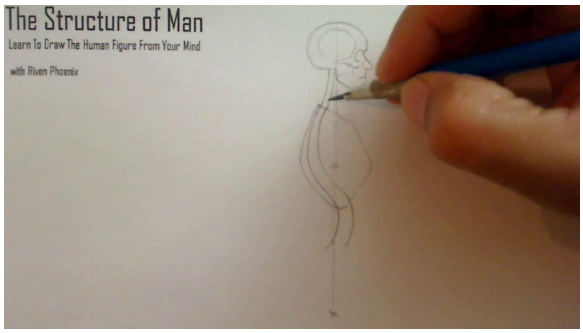
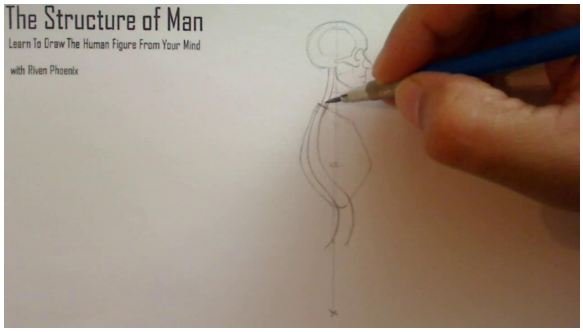
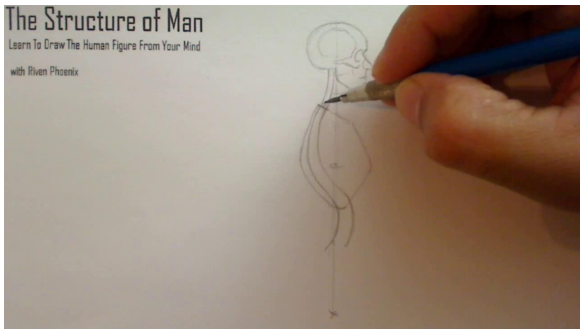
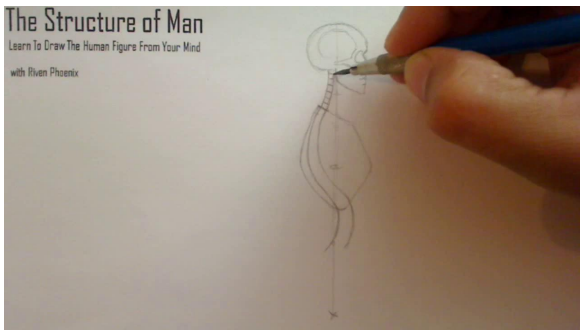
37		Basically, we know this line is over here.
38		So we just need to make six lines that will give us seven.
39		Right, so here I'm just going to do one, two, three, four, five, six.
40		Okay, so this gives us the first structure of the first structure that we had talked about.

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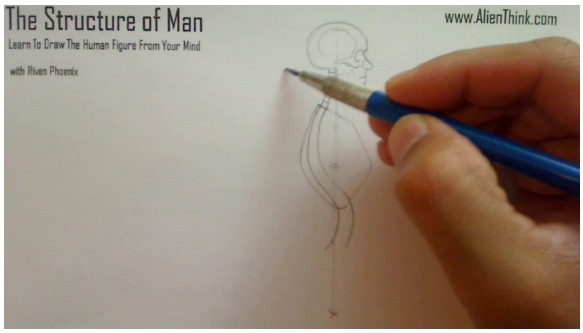
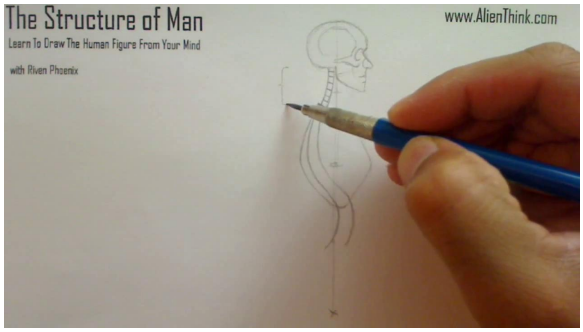
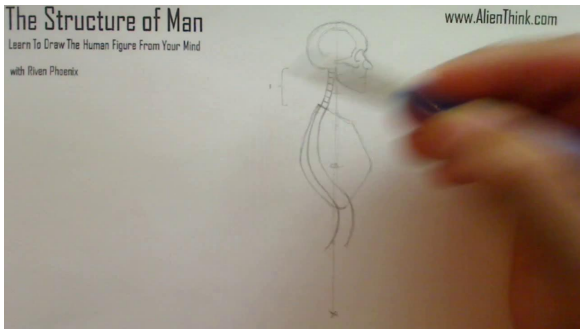
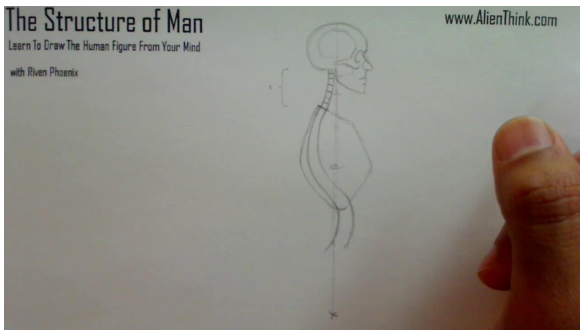
41		So here I'm just going to do this over here.
42		This is one.
43		Right, so this section is divided into seven parts and just note that the two top sections are really the axis of the spine that allows the human head to turn.
44		Right, so this section here really does not turn.

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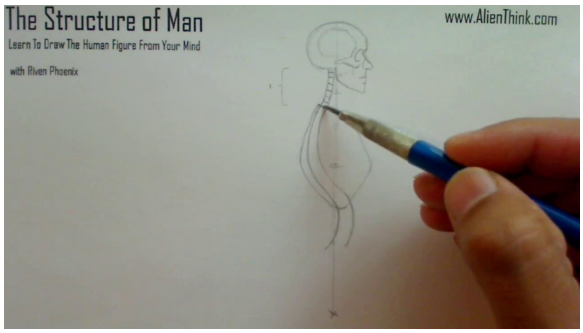
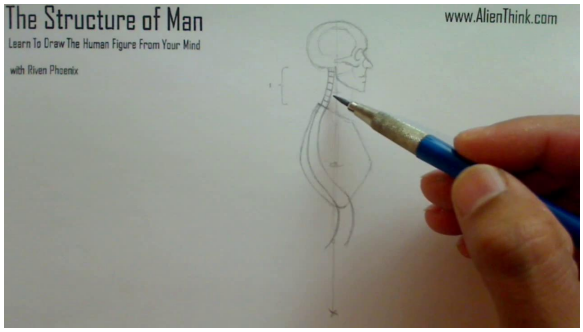
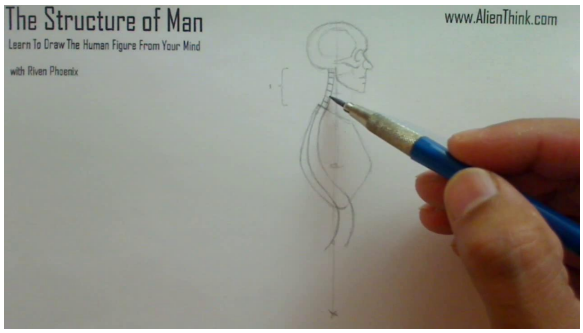
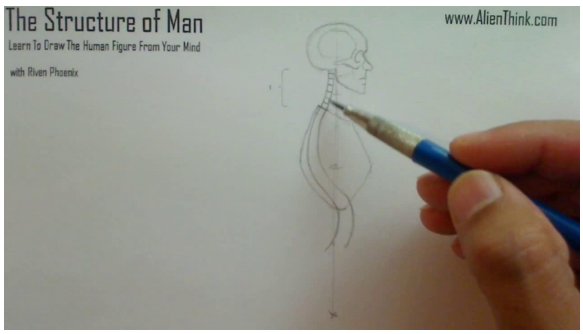
45		Right, so if you want to prove this to yourself, you can just take your fingers, put it on the back bones of your neck.
46		And if you turn your neck to the left and right, you'll see that those bones do not move.
47		They're always in place.
48		Right, so it's a very only in this section that is moving.

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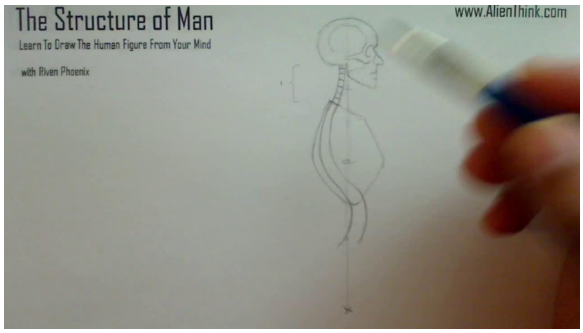
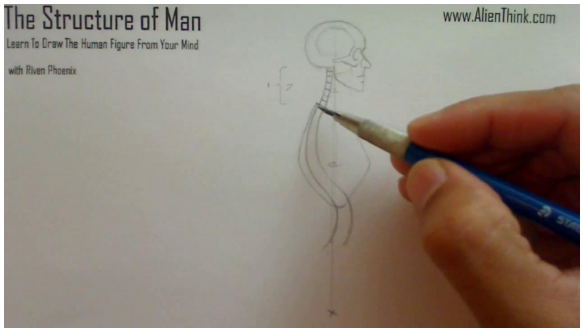
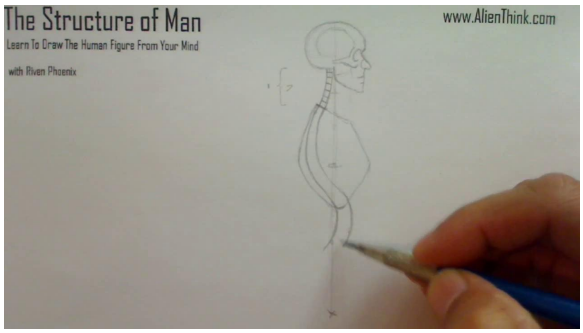
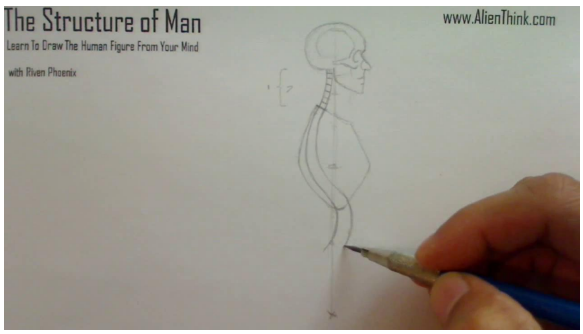
49		Okay, so this we know this here is going to be seven sections over here.
50		Okay, so the next part here is that we need to divide this in five different sections.
51		Okay, this part here.
52		So over here, we know that when we divide from here to here three, four.

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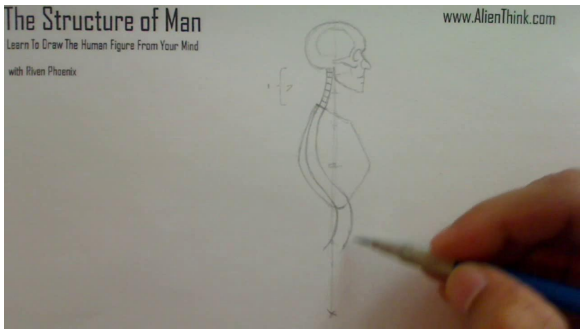
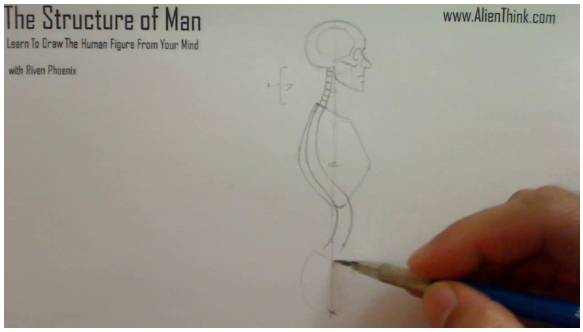
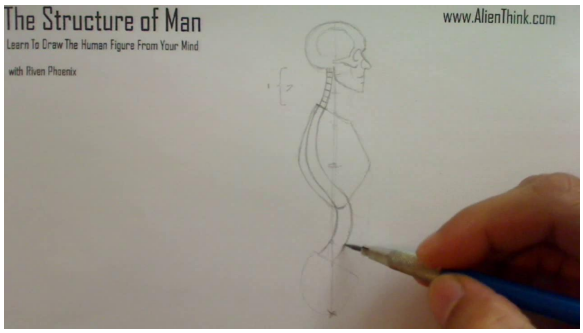
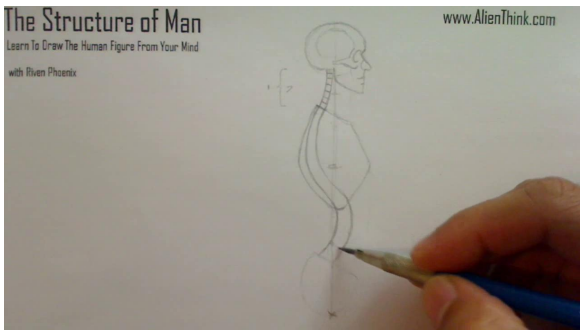
53		So now we know that over here when we do the line like this, right, if we had drawn that basic idea of the pelvis that it was just going in this direction.
54		So this spine is obviously going to be coming over there just like this.
55		So this section here needs to be divided in four parts.
56		So these are going to be very thick bones.

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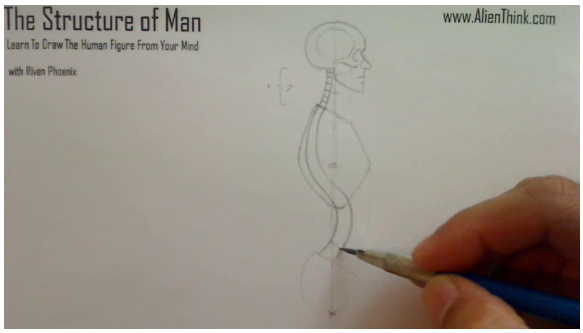
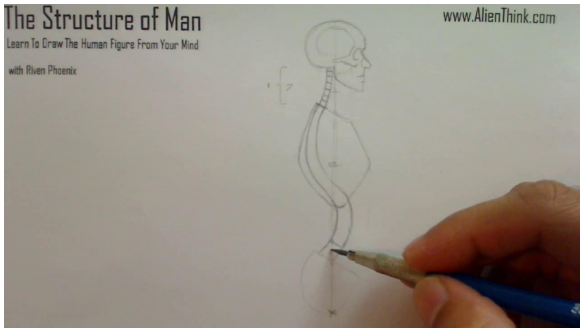
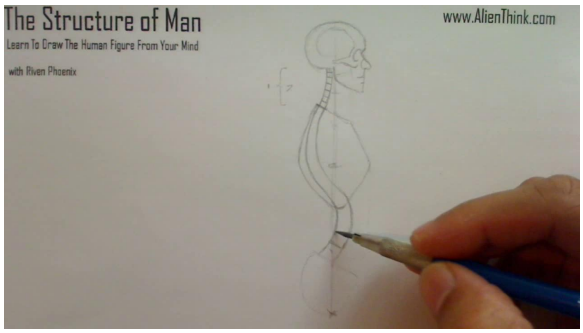
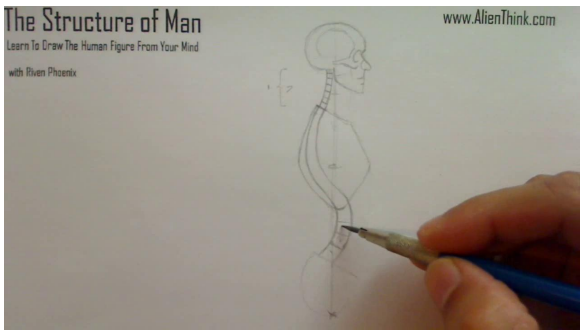
57		So here I'll do the first section.
58		This is one and over here.
59		This is going to be two over here.
60		This is going to be three and this is going to be four.

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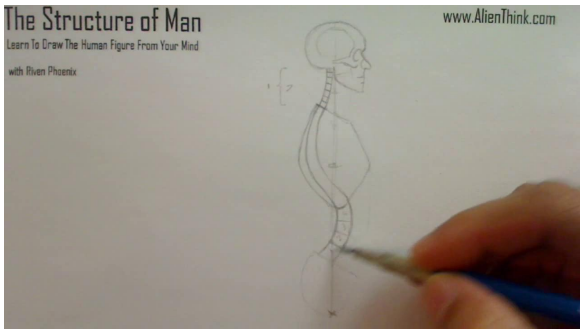
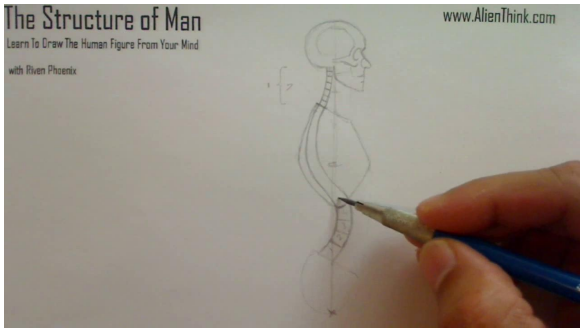
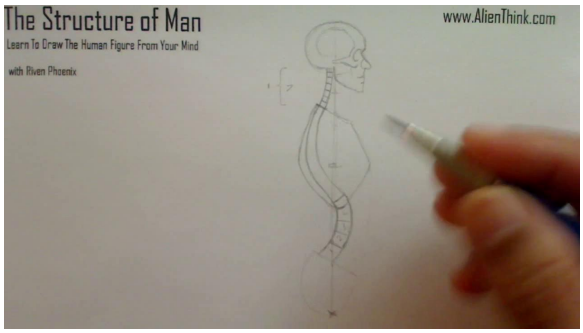
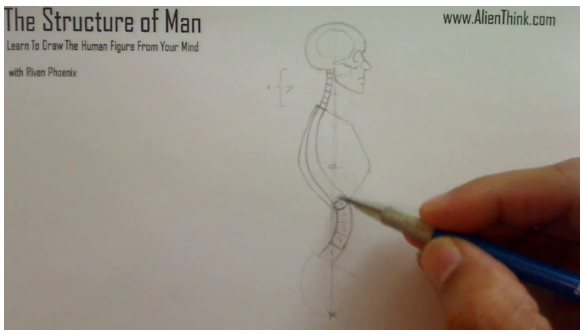
61		Right, but this has to be divided in five sections.
62		So the fifth section is always going to be inside the chest cavity.
63		Okay, so this is a secret understanding again in the rules that we're creating for this blueprints that the fifth section is always inside the chest cavity, but it's divided in four parts.
64		Okay, so what that leaves us is that this section here that we did point this out.

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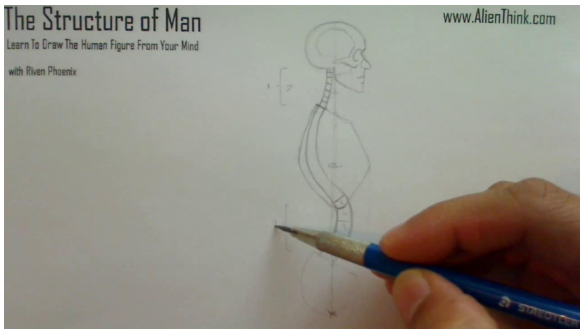
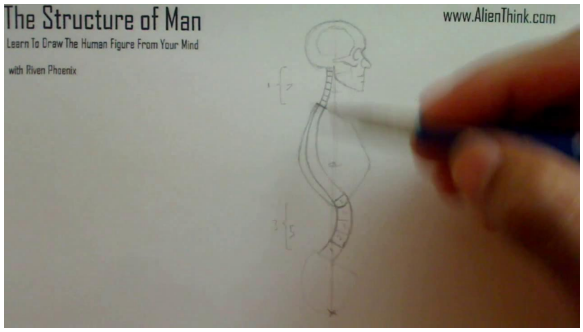
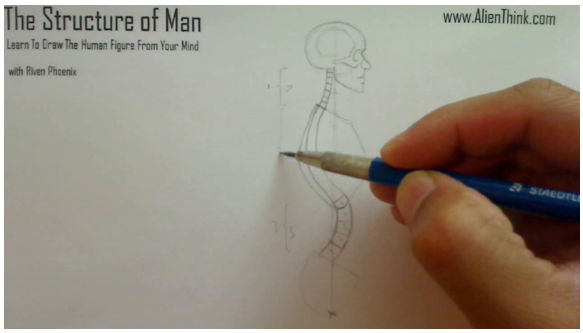
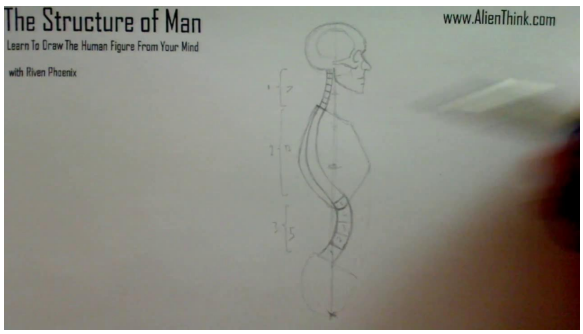
65		This is number three and this is divided in five parts and the fifth one goes inside.
66		So what's left is this section of this spine.
67		So our rule for this one is that we need 12 bones inside here.
68		Right, so that means you just need to make 11 lines.

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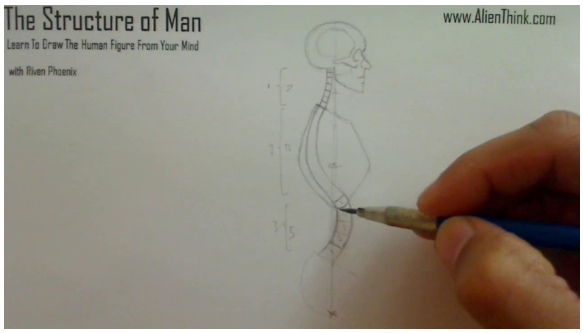
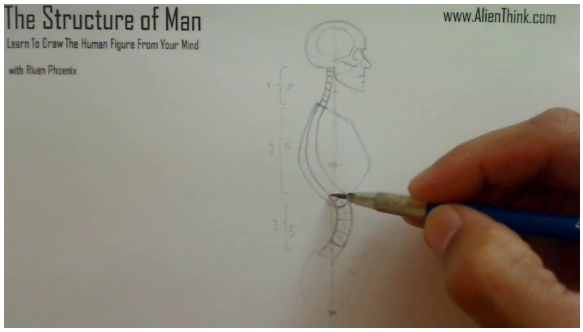
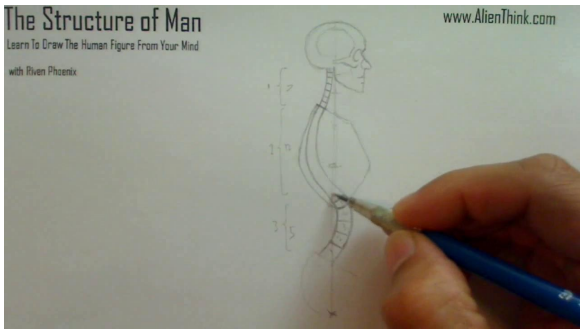
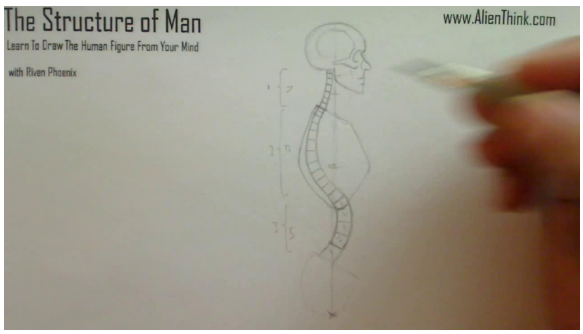
69		So basically what you need to do is look at that these are going to be much more thicker parts over here.
70		So you're obviously going to start out thick and it's just going to get smaller.
71		So let's make 11 lines. So that's going to be one, two, three, four, five, six, seven, eight, nine, ten, eleven.
72		Right, and that's it to understand the basic concept of this spine.

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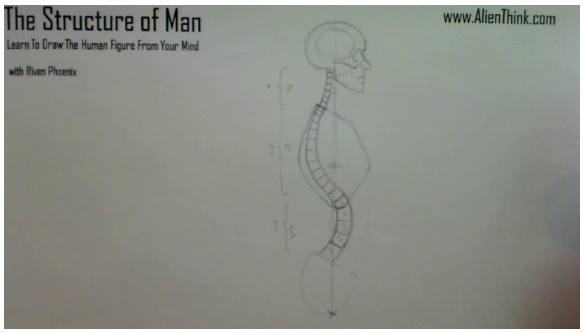
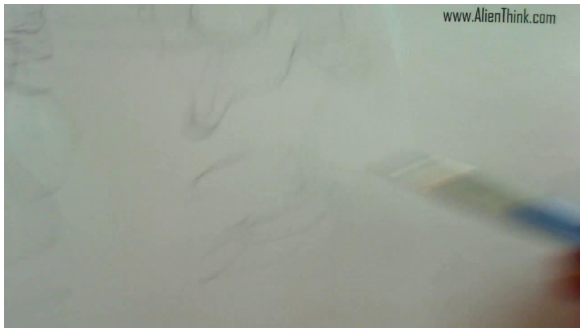
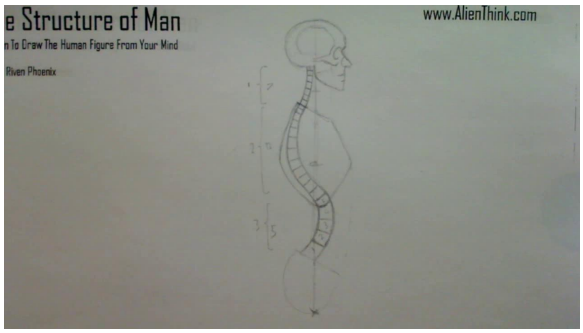
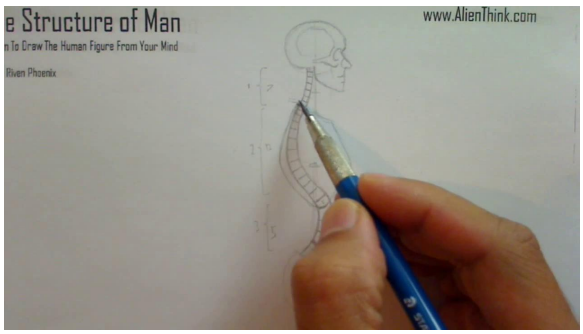
73		So now we're going to look at this paper right here where we had understood about this prong system.
74		Right, so to understand this, it's basically I'm just going to sharpen my pencil here.
75		Let's look at this section here first. So the prongs on this section are actually going to come out about here.
76		They're going to be kind of elongated about here but don't do it too long. It's just about enough.

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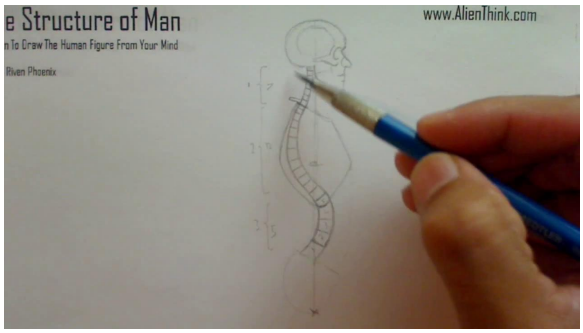
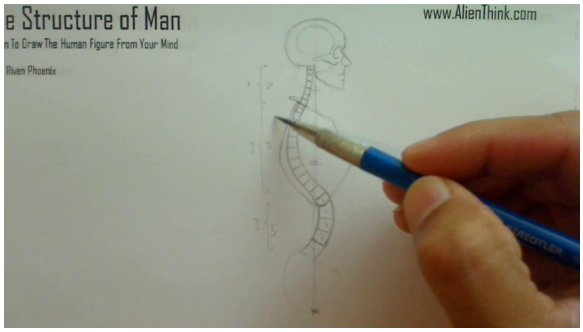
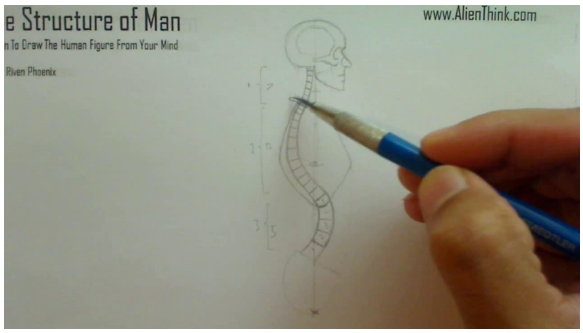
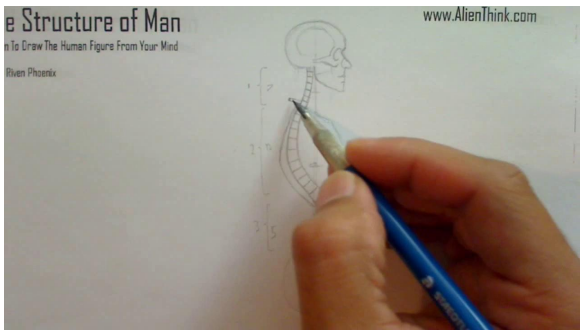
77		So basically just imagine that your neck muscles are going to go here and it's going to touch over here because you got the scapula over here.
78		Right, your muscles are going to go.
79		So these prongs are what you're going to be feeling on the back of your neck.
80		Right, so basically the first one and the second one here will say that this one is going to be like this and this one is just going to be a little shorter over here and everything else is just going in this angle over here.

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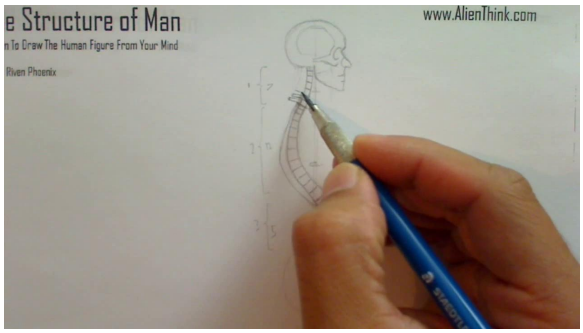
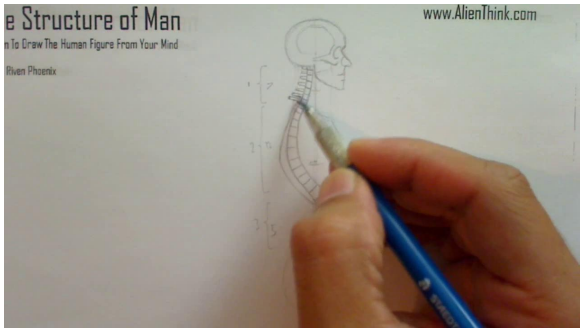
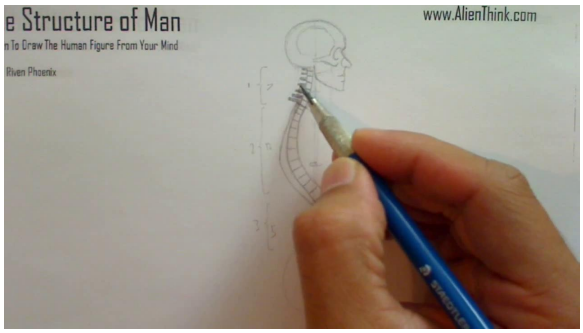
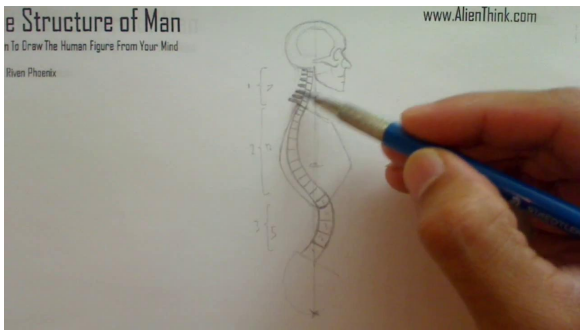
81		Right, so here I'm just going to make these very simple prong systems over here just like this.
82		Right, so we can actually just color these in so we don't get confused by this just coloring the prongs like this.
83		Okay, so we got the basic concept down. We know that this part over here.
84		Now you notice that in a lot of drawings that artists do that they will make sure to to state these prongs on the back of their drawings.

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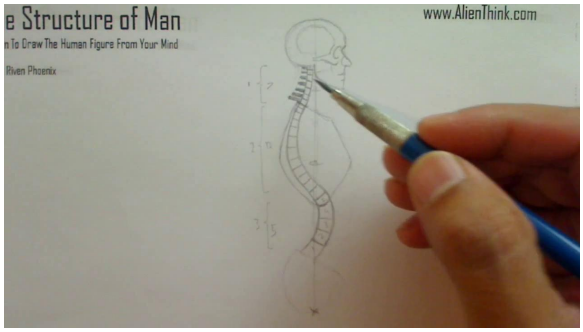
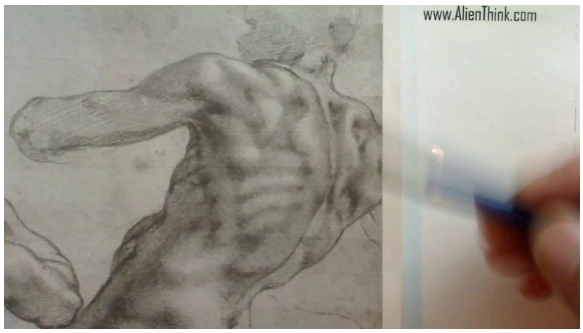
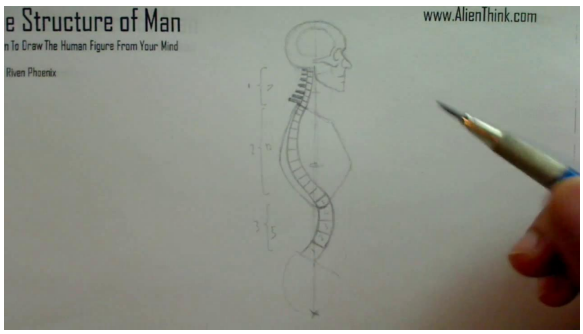
85		Right, not every figure is going to have that.
86		So if you actually look at this drawing here with the Michelangelo, you'll see that even he doesn't put those prongs over here.
87		Right, it really just depends on the type of figures.
88		So it's really just an optional thing.

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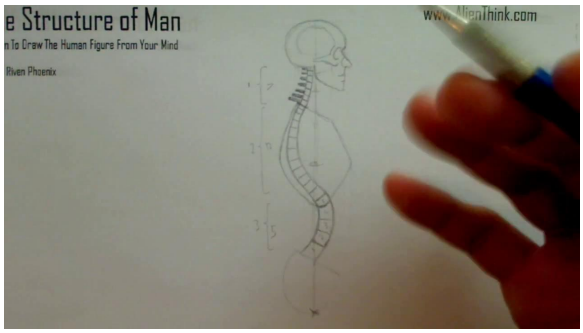
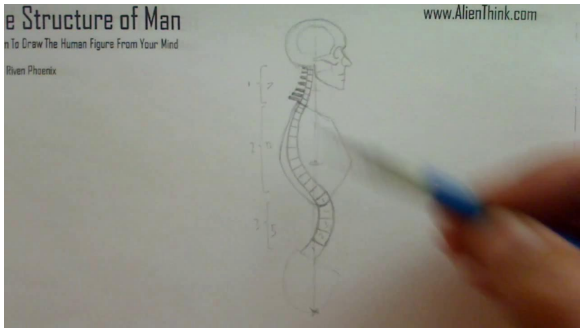
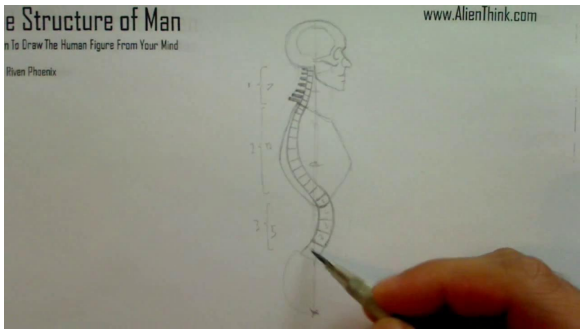
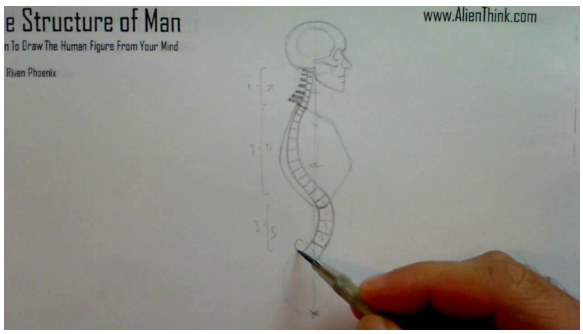
89		If you're doing a figure that's obviously really skinny, then you would show these over here these small, they're like these circular prongs.
90		Okay, so once we've done that, we need to just understand the prongs over here.
91		Right, so the prongs over here are going to be very thick.
92		They're going to be basically the width of this. Right, so here I'm just going to be suggested with these ideas here.

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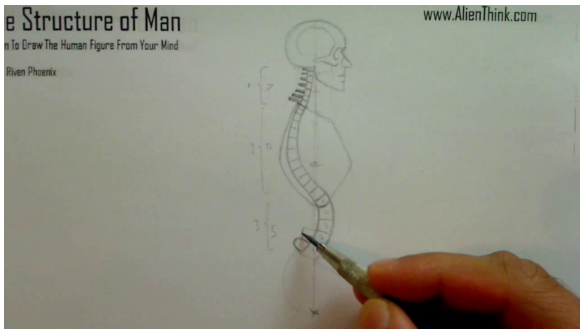
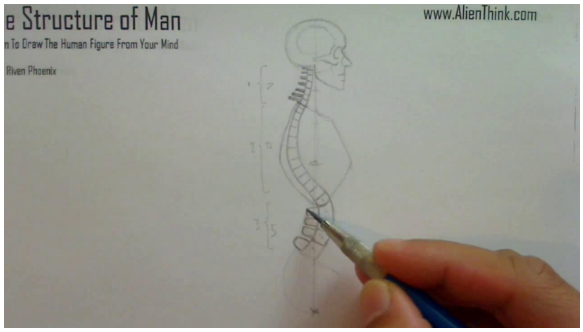
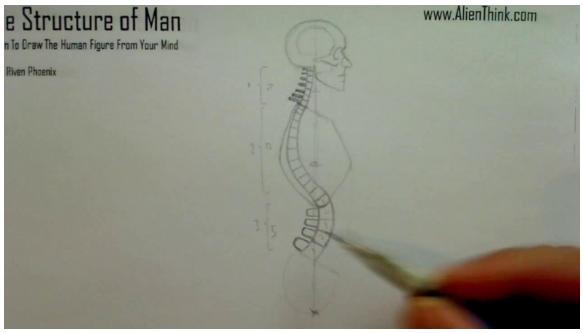
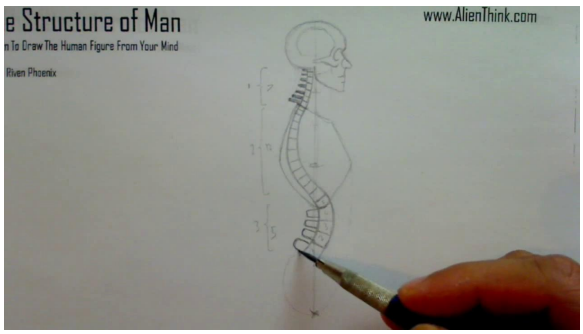
93		Just like this, make it over here like this, and make it thick like this.
94		Right, now again, what I'm showing you here is that you only need to be suggested with these ideas.
95		Right, so over here, you're going to get another bone here that we'll look at, which is the sacrum.
96		But over here, that's really it.

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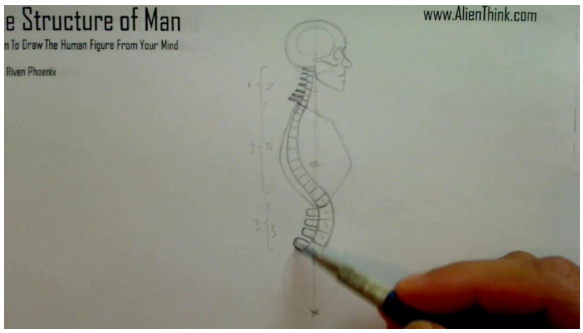
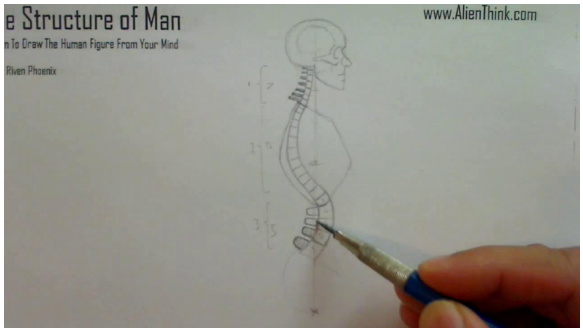
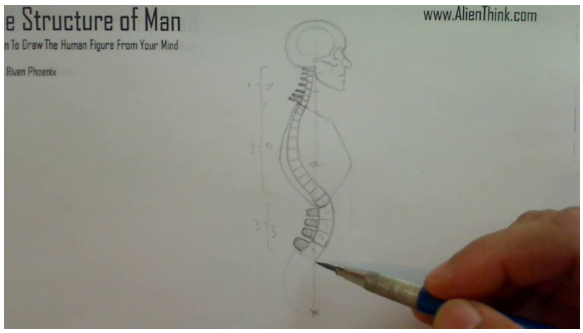
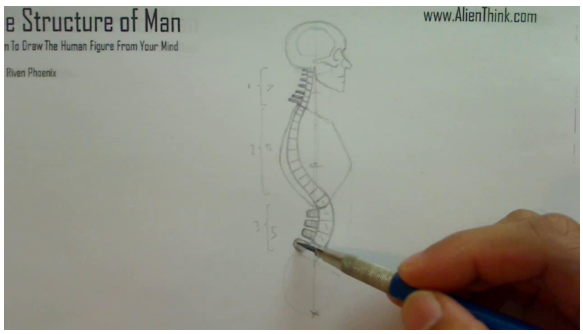
97		And here we can just shade that in.
98		Now again, when we're looking at the spine again this way, it's because we know that it's completely buried in the system.
99		We just need to understand that these concepts here are going to be here.
100		Right, so on the female figure, when the female bends on somebody who's skinny, when they're bending on,

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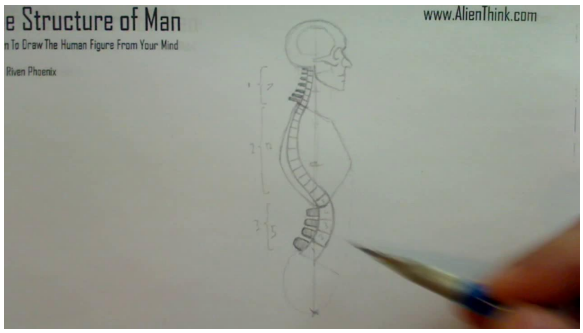
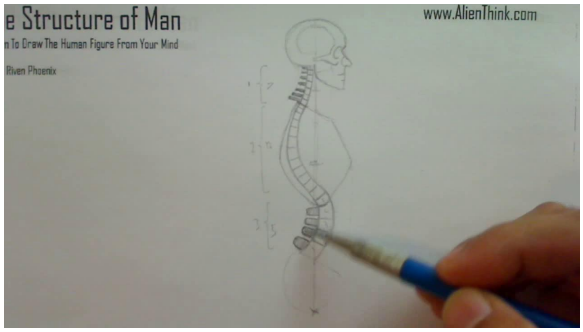
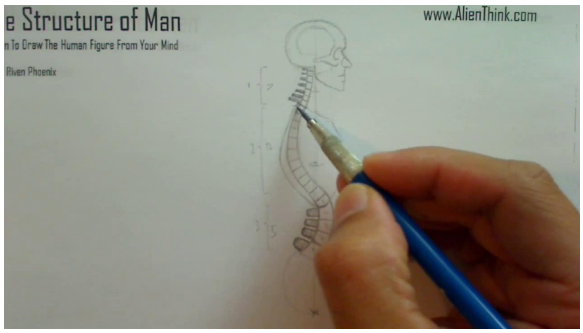
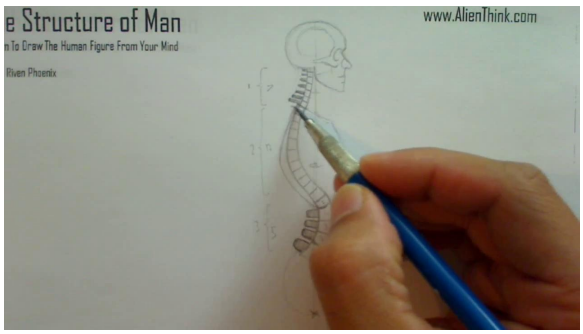
101		let's say to pick a box, you actually see these prongs all the way across from here to here.
102		Right, okay, so once we've got this, everything else is just easy, and that is that you're going to get more prongs over here.
103		So these are not going to be sticking out that much over here.
104		Right, so you can just be suggested with these ideas.

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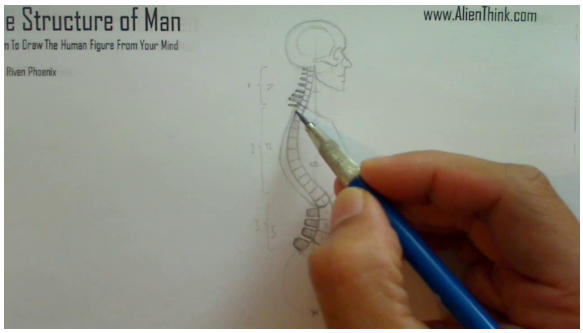
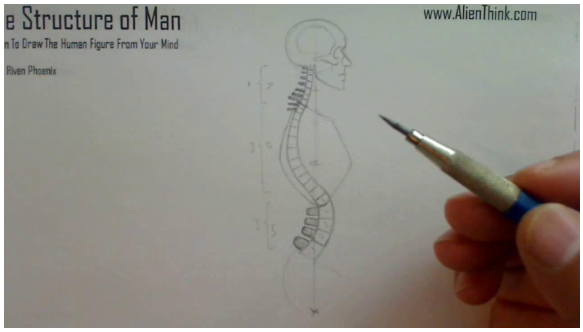
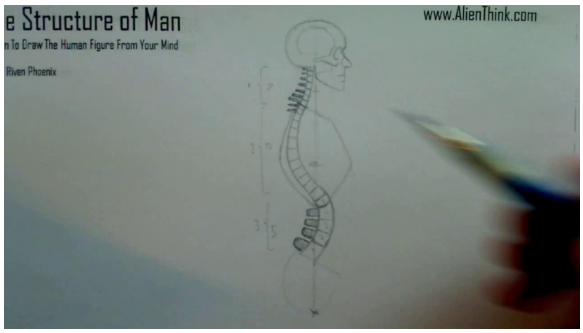
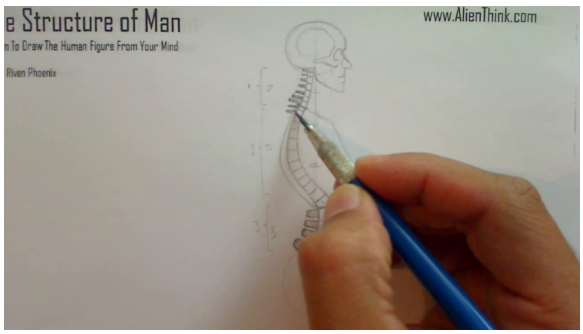
105		Right, so make sure that when you draw this out, you go a little down in this angle over here.
106		So if you go back to my original drawing, you'll see that this is the cylinder, right, and this goes down in this way.
107		Right, only for these sections that we're putting it.
108		So we'll put it over here, you know, make this like this over here.

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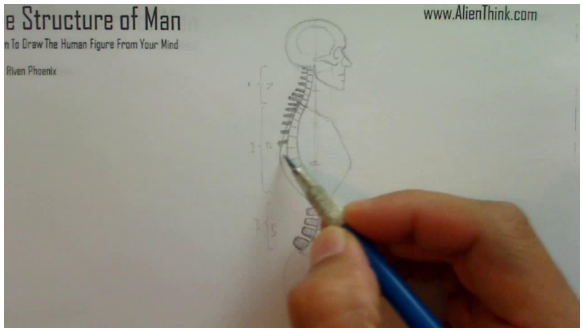
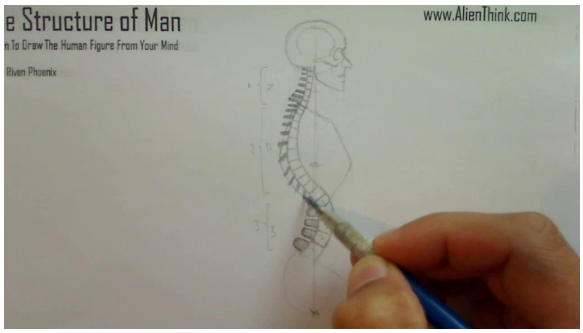
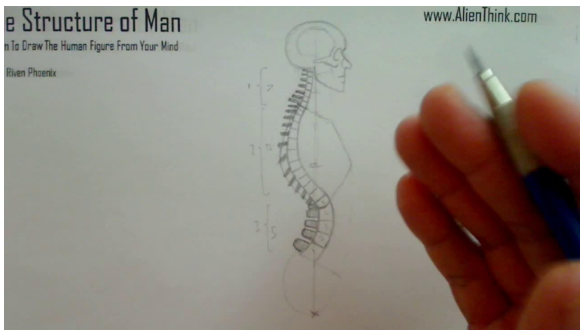
109		So here again, just be very suggestive with this.
110		And also for the fifth section, we're going to need one more of those.
111		Okay, and that's really it on the understanding the concept of how the spine is created.
112		Right, so now if you take a look at this spine, and if you now compare this to your anatomical books,

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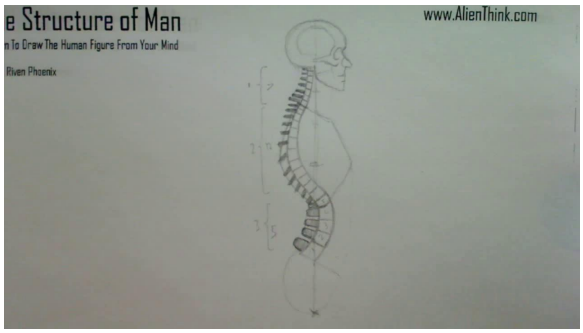
113		you'll see as to why we've simplified it so much.
114		Right, because the really is no need to understand the spine in such details,
115		so it's just understanding how this whole system is working.
116		But again, these are our rules, and these are based on an actual skeleton structure.

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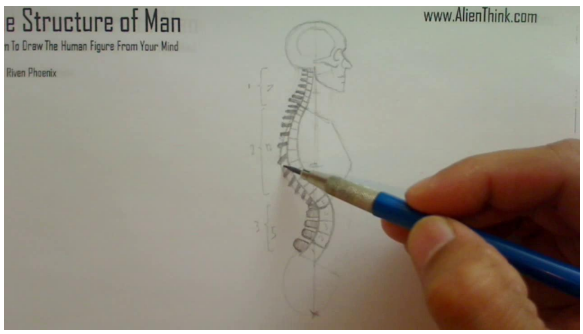
117		So we know that we're doing this thing to be right.
118		Right, so know that when you're obviously when you scapula comes over here,
119		all of this stuff is these prongs that remember this line that I did is buried inside the chest cavity
120		because the chest cavity is going in a circle from the middle.

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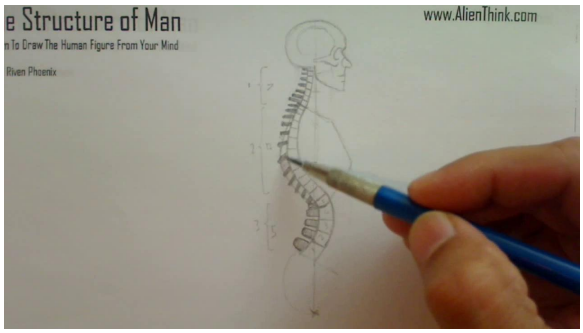
121		There's a wedge.
122		This is why when you get those prongs, it's going to be covered with all these tendons and stuff.
123		And this is why you're only going to get like these small lines.
124		But again, these are all going, these are all optional like this, right, to show them on the body.

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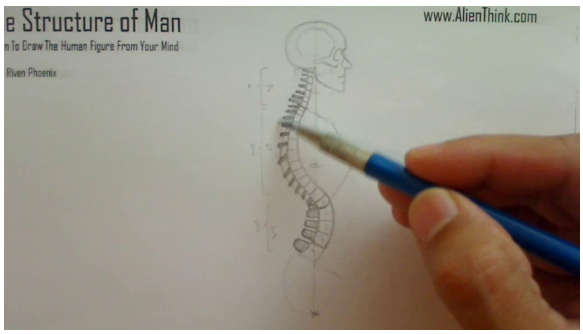
125		Because when you see it like over here, I did them.
126		That's big.
127		Now, if I start to put all the muscles, the muscles are going to be this big anyway.
128		So you won't see them, and even from the back, you'll get the muscles.

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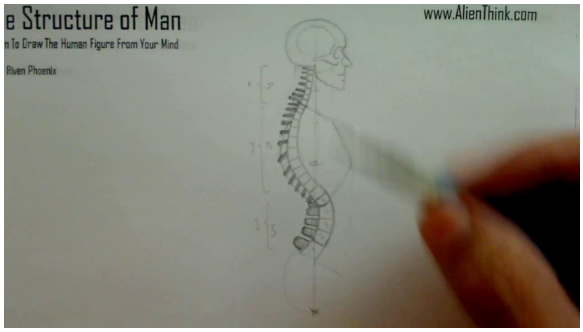
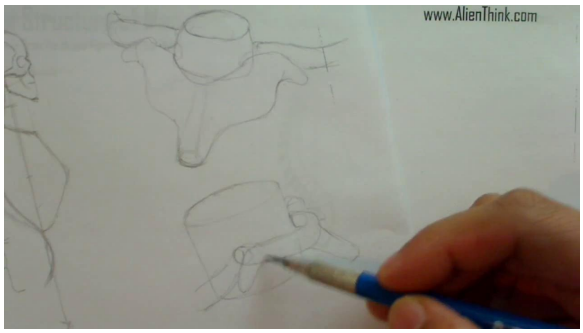
129		You only see suggestions of them, and those are all optional again.
130		So the other thing that's left to look at is just understanding that you've got these prongs coming out.
131		Right, so just notice where they are.
132		Right, so where this is, basically, they're just going to be over here.

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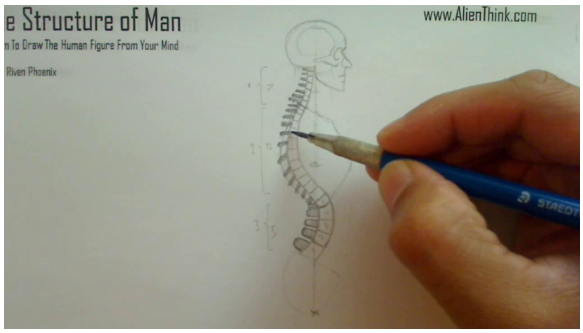
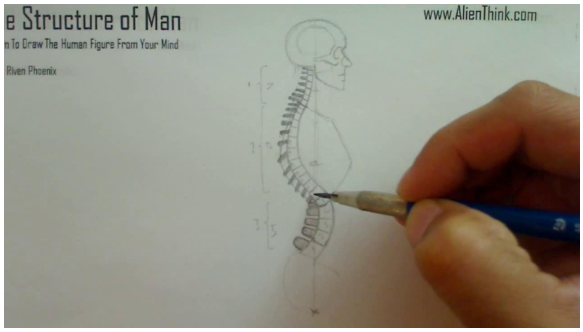
133		Okay, so here we could just put down like a circle if you wanted to for now.
134		Right, but...
135		This, this, this, this.
136		Okay, but over here, you're not going to put these circles here,

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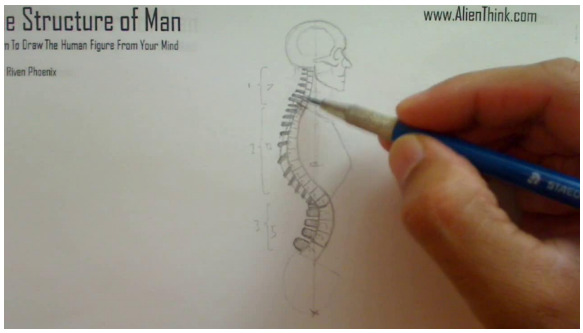
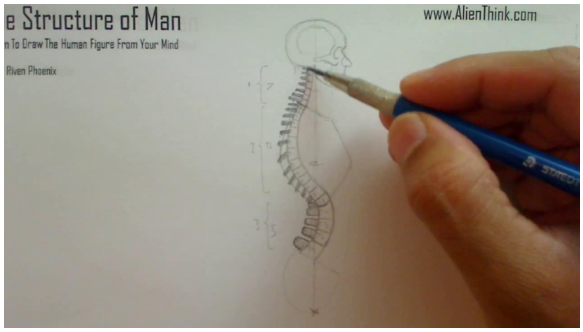
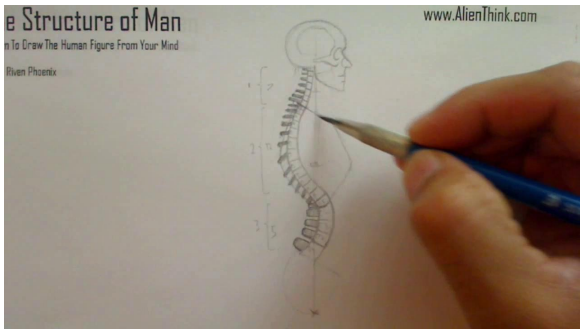
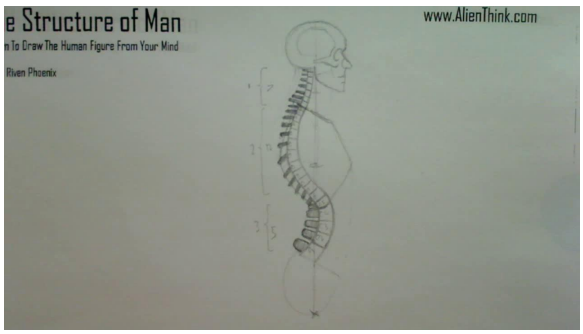
137		because there's these only here to connect the ribcage right,
138		so you can just leave them be.
139		So in the next lesson, we'll continue on from here and look at what else we're doing.
140		We need to understand about this part.

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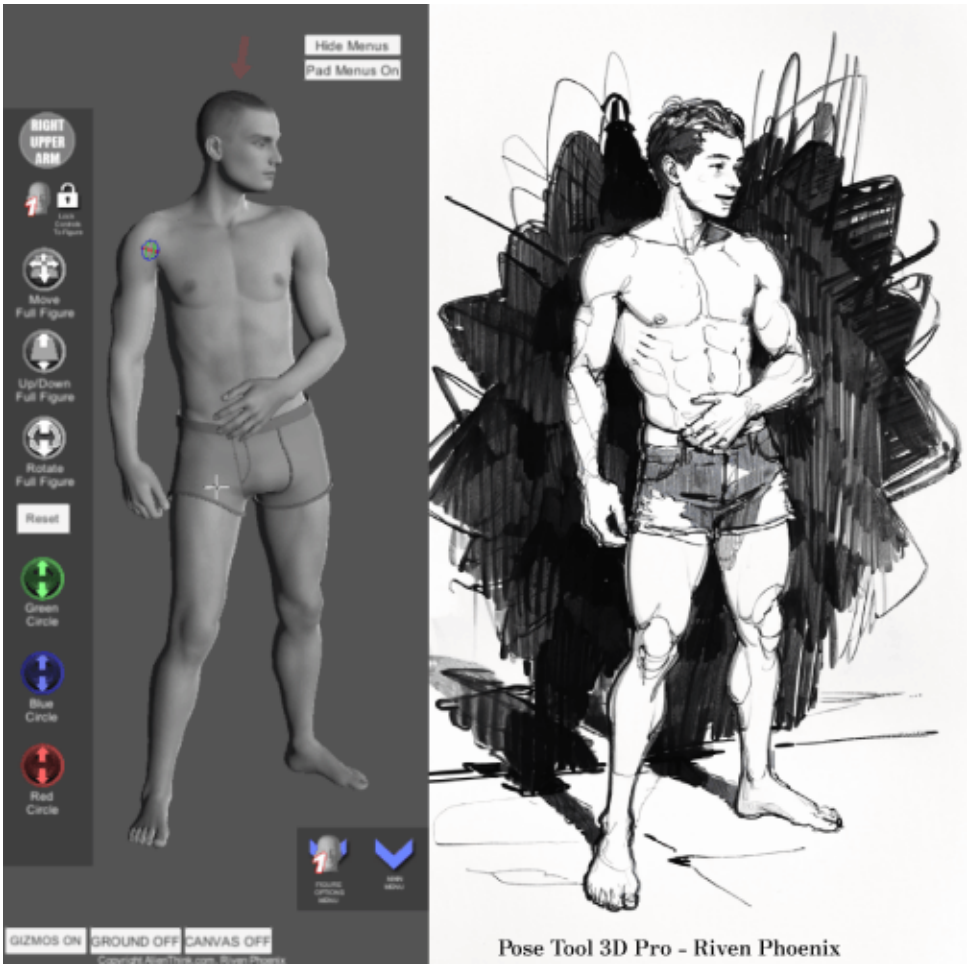

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